

Appl. No. : 10/576,180
Filed : April 19, 2006

AMENDMENTS TO THE CLAIMS

1- 23. (Cancelled)

24. . (New) A kit for visualizing a cutting regime of a rough diamond, the kit comprising:

(a) a solid, translucent substance into which three dimensional images are marked, said markings indicating:

(i) the outer surface of the original rough diamond;

(ii) if present in said rough diamond, the internal defects of the rough diamond, said markings indicating the position and shape of said defects with respect to the rough diamond; and

(iii) the outer surface of one or more cut diamonds, said markings indicating the position and shape of said cut diamonds with respect to the rough diamond; and

(b) at least one of solid, physical representations of one or more diamonds indicated by the markings of item (iii);

solid, physical representation of the rough diamond, corresponding to the markings of item (i); and

one or more actual cut diamonds indicated by the markings of item (iii).

25. (New) A kit according to claim 24, wherein the shape of said solid, translucent substance is a cube, sphere or box.

26. (New) A kit according to claim 24, wherein the shape of said solid, translucent substance is substantially the same as that of the outer surface of the rough diamond.

27. (New) A kit according to claim 24, further comprising a computer readable storage medium on which data regarding one or more of the following is stored: certification of the diamond, history of the stone, history of the mine, history of manufacturing, history of trading.

28. (New) A kit according to claim 24, wherein said solid, translucent substance comprises glass or crystal.

29. (New) A kit according to claim 24, wherein solid, physical representations of item (b) comprise glass or crystal.
30. (New) A kit according to claim 24, wherein solid, physical representations of item (b) further comprise markings which indicate the three dimensional boundaries of defects and/or where the outer contour of the rough diamond touches that of the cut diamond.
31. (New) A kit for visualizing a cutting regime of a rough diamond, the kit comprising:
 - (a) a hologram depicting markings which indicate:
 - (i) the outer surface of the original rough diamond;
 - (ii) if present in said rough diamond, internal defects of the rough diamond, said markings indicating the position and shape of said defects with respect to the rough diamond; and
 - (iii) the outer surface of one or more cut diamonds, said markings indicating the position and shape of said cut diamonds with respect to the rough diamond; and
 - (b) at least one of solid, physical representations of one or more diamonds, said diamonds corresponding to the markings of item (iii);
 - solid, physical representation of the rough diamond, corresponding to the markings of item (i); and
 - one or more actual cut diamonds indicated by the markings of item (iii).
32. (New) A kit according to claim 31, further comprising a computer readable storage medium on which data regarding one or more of the following is stored: certification of the diamond, history of the stone, history of the mine, history of manufacturing, history of trading.
33. (New) A kit according to claim 31, wherein solid, physical representations of item (b) comprise glass or crystal.
34. (New) A kit according to claim 31, wherein solid, physical representations of item (b) further comprise markings which indicate the three dimensional boundaries of defects and/or where the outer contour of the rough diamond touches that of the cut diamond.

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35. (New) A device for visualizing a cutting regime of a rough diamond, the device comprising a solid, translucent substance into which three dimensional images are marked, said markings indicating:
 - (i) the outer surface of the original rough diamond;
 - (ii) if present in said rough diamond, internal defects of the rough diamond, said markings indicating the position and shape of said defects with respect to the rough diamond; and
 - (iii) the outer surface of one or more cut diamonds, said markings indicating the position and shape of said cut diamonds with respect to the rough diamond.
36. (New) A device according to claim 35 wherein the shape of said solid, translucent substance is a cube, sphere or box.
37. (New) A device according to claim 35 wherein the shape of said solid, translucent substance is substantially the same as that of the outer surface of the rough diamond.
38. (New) A device according to Claim 35 further comprising a computer readable storage medium on which data regarding one or more of the following is stored: certification of the diamond, history of the stone, history of the mine, history of manufacturing, history of trading.
39. (New) A device according to Claim 35, wherein said solid, translucent substance comprises glass or crystal.